

## ABSTRACT OF THE DISCLOSURE

The invention relates to a magnetic-field-measuring probe comprising at least one magnetoresistive sensor (102, 104, 106) which is sensitive to the magnetic field along a determined privileged measurement axis. The inventive probe comprises: at least two magnetoresistive sensors (102, 104, 106) which are rigidly connected to one another in a position such that the privileged measurement axes thereof are offset angularly; and output terminals specific to each magnetoresistive sensor (102, 104, 106), in order to supply a signal that is representative of the field measured by each sensor along the privileged measurement axis thereof.